

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application.

### **Listing of Claims:**

Claims 1-9 (Canceled)

Claim 10 (Original): A monitoring device for monitoring at least one physiological parameter at an attachment site in a body, comprising:

a housing, having a tissue attachment surface;

a pin which is movable from a retracted position to allow the tissue attachment surface to be brought into contact with tissue at a preselected attachment site, and an extended position in which it extends through tissue in contact with the attachment surface; and

at least one physiological parameter detector carried by the housing.

Claim 11 (Original): A monitoring device as in Claim 10, further comprising a concavity on the housing such that the tissue attachment surface is on a surface of the concavity.

Claim 12 (Original): A monitoring device as in Claim 10, wherein the pin comprises a bioabsorbable material.

Claim 13 (Original): A monitoring device as in Claim 11, further comprising a lumen in communication with the concavity, for connection to a vacuum to draw tissue into the concavity.

Claim 14 (Original): A monitoring device as in Claim 10, wherein the physiological parameter detector comprises a pH detector.

Claim 15 (Original): A monitoring device as in Claim 10, further comprising an RF transmitter for transmitting data generated by the physiological parameter detector.

Claim 16 (Original): A monitoring device as in Claim 10, further comprising an electrical contact for contacting tissue in the body and transmitting data relating to the physiological parameter through the tissue.

Claims 17-31 (Canceled)

Claim 32 (Original) A monitoring device for monitoring at least one physiological parameter at an attachment site in a body, comprising:

- a housing, having a tissue attachment surface;
- a pin which is movable from a retracted position to allow the tissue attachment surface to be brought into contact with tissue at a preselected attachment site, and an extended position in which it extends through tissue in contact with the attachment surface; and
- at least one physiological parameter detector carried by the housing.

Claims 33-54 (Canceled)